

Optimized Genetic Programming Applications: Emerging Research and Opportunities

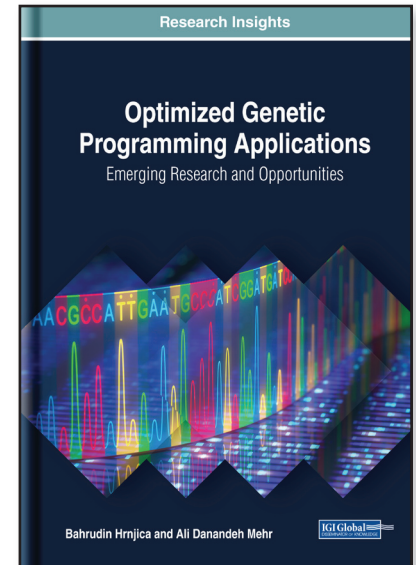
Part of the Advances in Medical Technologies and Clinical Practice Book Series

Bahrudin Hrnjica (University of Bihac, Bosnia and Herzegovina) and Ali Danandeh Mehr (Antalya Bilim University, Turkey)

Description:

Data is more valuable than ever in the twenty-first century, and tremendous amounts of data are being generated every second. With a fast-growing information industry, engineers are required to develop new tools and techniques that increase human capabilities of mining useful knowledge from the vast amounts of data.

Optimized Genetic Programming Applications: Emerging Research and Opportunities is an essential reference source that explores the concept of genetic programming and its role in managing engineering problems. It also examines genetic programming as a supervised machine learning technique, focusing on implementation and application. As a resource that details both the theoretical aspects and implementation of genetic programming, this book is a useful source for academicians, biological engineers, computer programmers, scientists, researchers, and upper-level students seeking the latest research on genetic programming.



ISBN: 9781522560050

Release Date: July, 2018

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Pages: 246

Topics Covered:

- Fitness Function
- Fracture Mechanics
- Gene Expression Programming
- Initialization Method
- Multiclass Classification
- Multigene Genetic Programming
- Parallel Implementation
- Supervised Machine Learning
- Training Data
- Visual Studio Code

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